ROOT 2018 Context

Axel Naumann 2017-11-22

Current Team Members

- Kim Albertsson
- Guilherme Amadio
- Bertrand Bellenot
- Philippe Canal
- Olivier Couet
- Enrico Guiraud
- Raphael Isemann

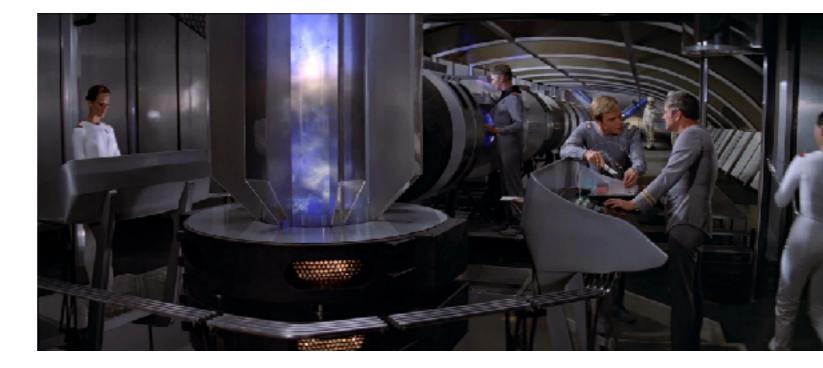
- Lorenzo Moneta
- AN
- Danilo Piparo
- Oksana Shadura
- Enric Tejedor
- Xavier Valls
- Vassil Vassilev

Main Contributors

- Brian Bockelman
- Zhe Zhang
- Sergey Linev
- Marsupial

Role

- ROOT is the warp core of HEP data analysis
 - I/O
 - Math
 - Visualization



- Interactivity, analysis, documentation
- Not guaranteed there are competitors!

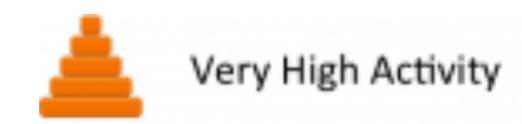
The Mission

- Need to convince:
 - features
 - robustness
 - simplicity
 - speed



Good code + good code + good code.

Alive?

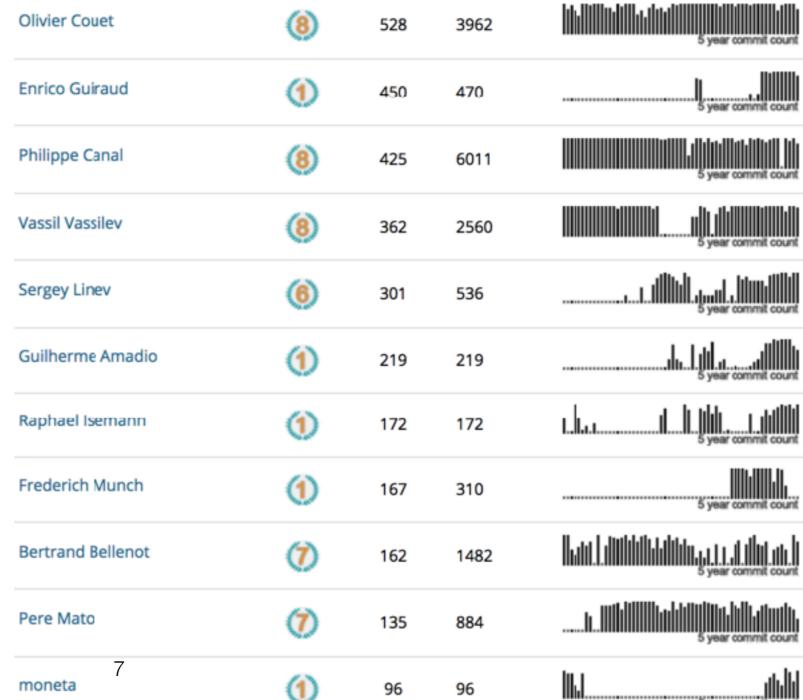


 From OpenHub: "Activity level is relative to all projects on Open Hub. Only a small percentage of projects on Open Hub will display the Very High icon. Many important, highly regarded and popular projects may show lower activity levels"

Commits

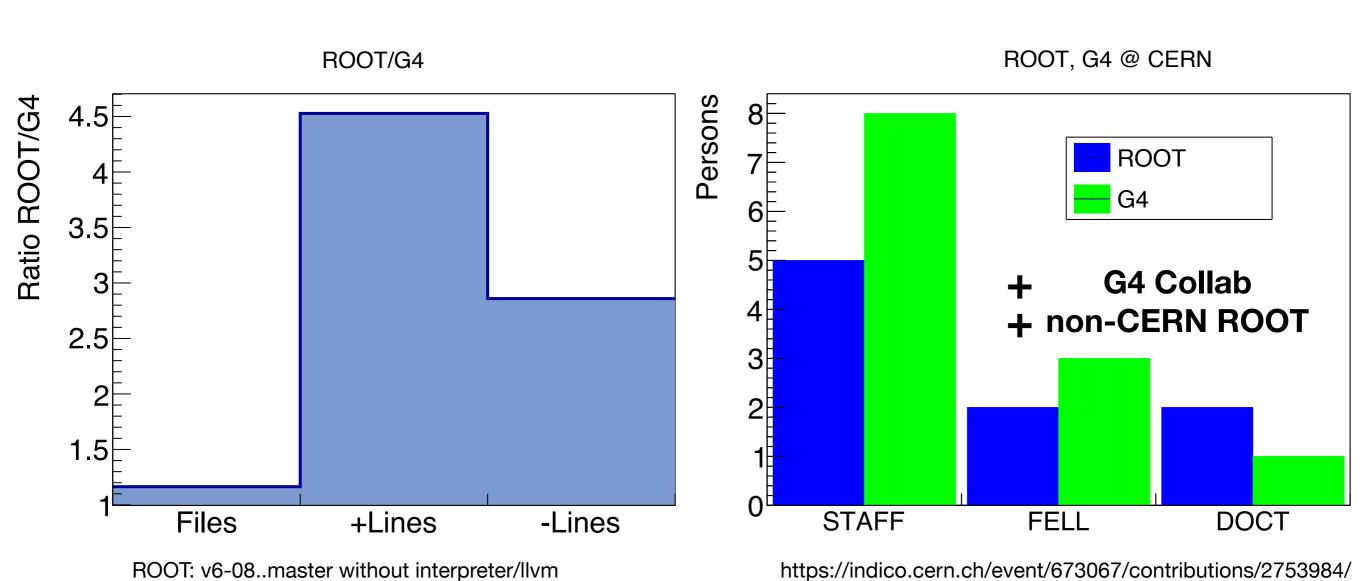
Axel Naumann 768 5191 7 Danilo Piparo 530 1667 (8) Olivier Couet 528 3962 (1) Enrico Guiraud 450 470 Philippe Canal (8) 425 6011 (8) Vassil Vassilev 362 2560 Sergey Linev **(6)** 536 301

Lots. Of. Work.



https://www.openhub.net/p/ROOT/contributors? query=&time_span=&sort=twelve_month_commits

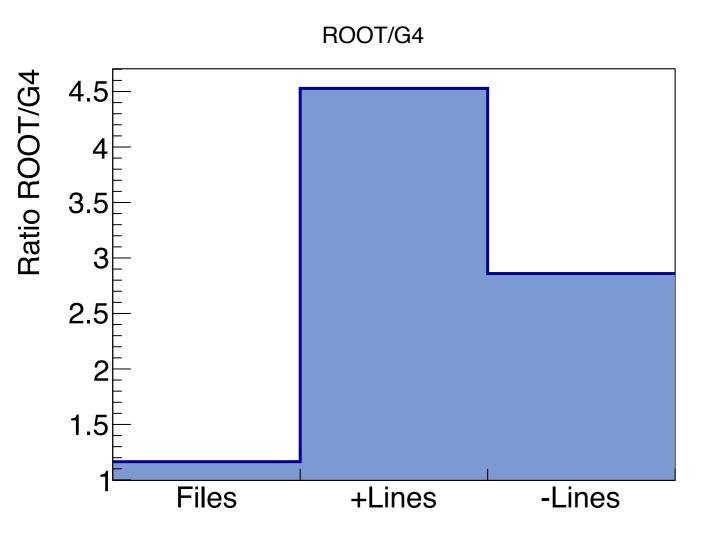
Productivity



attachments/1552806/2441275/SFT-Org-20171106.pdf

G4: 10.02.p03..10.03.p03

Lines Of Code

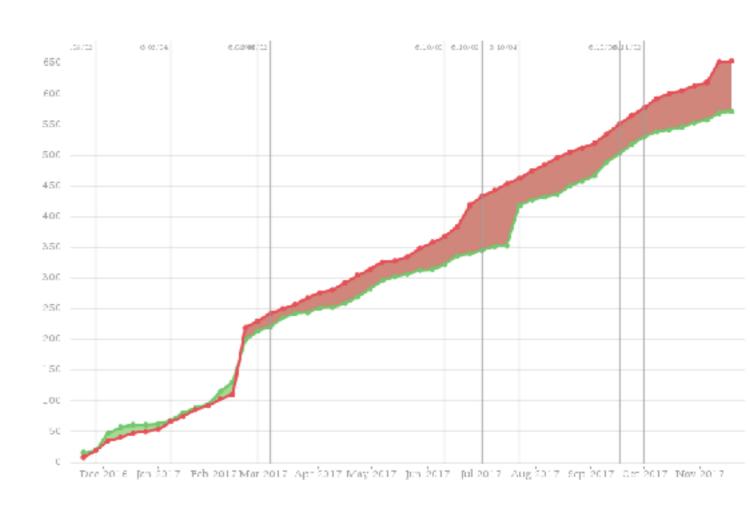


But of course not all lines are equal...



Jira, Coverity

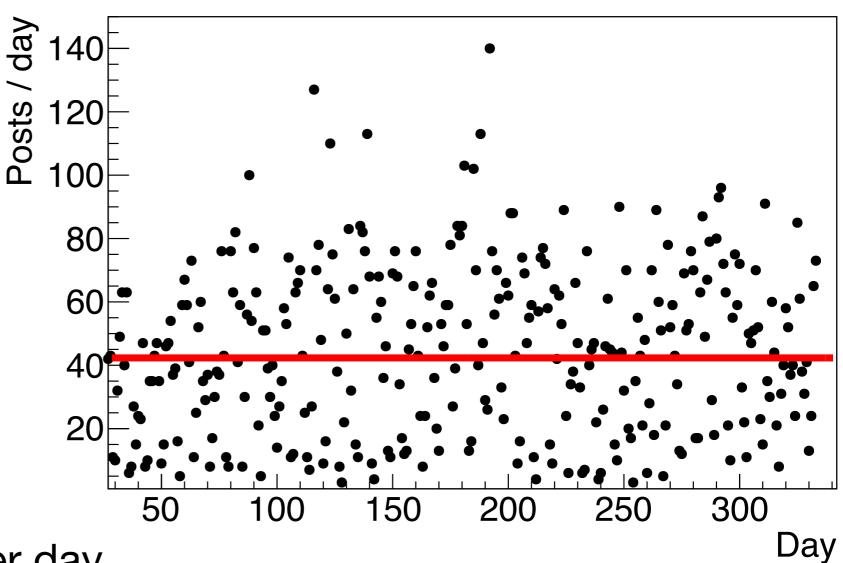
+ backlog of 600 issues



- 1230 open ROOT issues
- + Coverity (about 1000 issues)

Forum





- Almost 50 posts per day
- More and more users

Consequence: Focus!

- We have a lot of work to cope with: design + discussions, coding, bugs, support, teaching
 - we are very productive, but at the limit
 - and even more is coming: new features, communication
- We must focus on ROOT's core parts:
 - those that arrive at users
 - math, I/O, graphics, interactive, analysis

Consequence: Focus!

People think focus means saying yes to the thing you've got to focus on. But that's not what it means at all. It means saying no to the hundred other good ideas that there are. You have to pick carefully.

Steve Jobs

2017 PoW

 https://indico.cern.ch/event/598604/contributions/ 2419269/attachments/1393870/2124204/ROOT-Plans-20170111.pdf

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